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(54) CODE ASSIGNING DEVICE AND ITS METHOD

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(57) Abstract:

PROBLEM TO BE SOLVED: To apply code assignment and code switching to a mobile set to improve channel availability in order to realize a multiple rate transmission in a radio communication system where a code division access system using a code having a spread series of an orthogonal multiple spread rate with a tree structure for a spread code is employed for a radio access system between mobile sets and a base station.

SOLUTION: A base station controller selects a code group to realize a speed based on speed information included in a call message from a mobile set and selects a code object assigned to the mobile set among the code groups. A code assigned to some other mobile set is retrieved among codes placed at a high order in a tree structure with respect to each selected code object, and the tree structure level is detected for each code object. The tree structure level of the code already assigned at the higher order is compared between the code objects and the lowermost code object is assigned to a mobile set sending the assigned code.

